Week of August 24, 2015

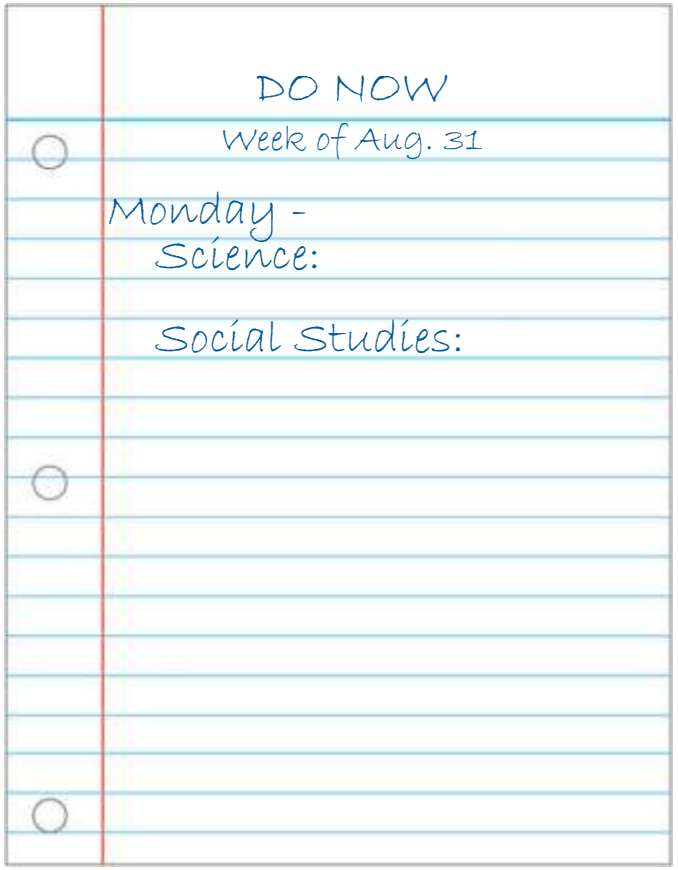
“Do Now”s & Notes

Do Now: Science

1. Sign Social Contract (1st & 3rd)

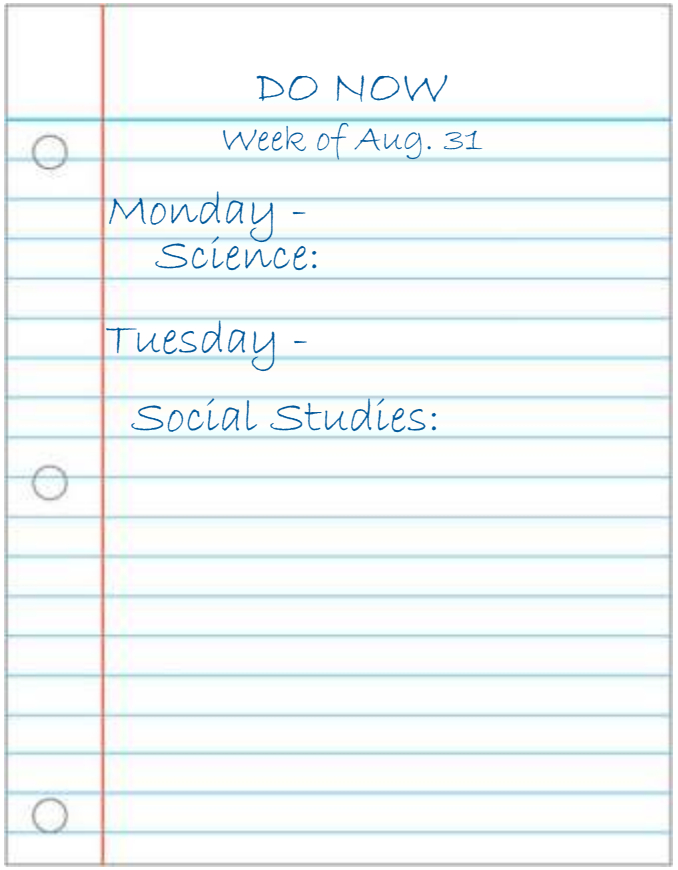
2. Set up New Do Now Page (see example to the right)

3. Complete today's "Do Now" What does CER stand for and what is it used for?



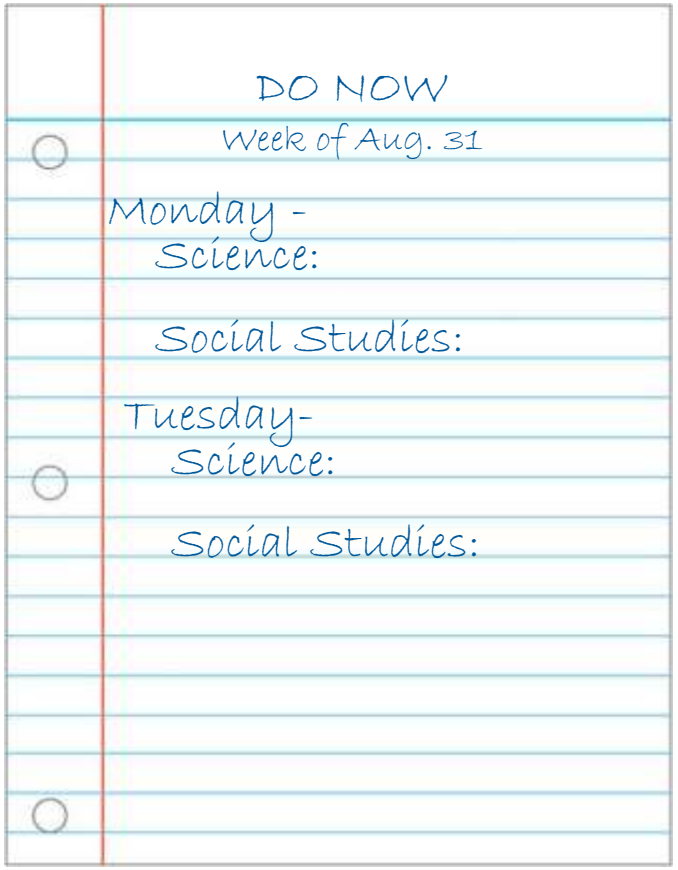
Do Now: Social Studies

1. Complete today's "Do Now"
   Where is the Equator and Prime Meridian located?



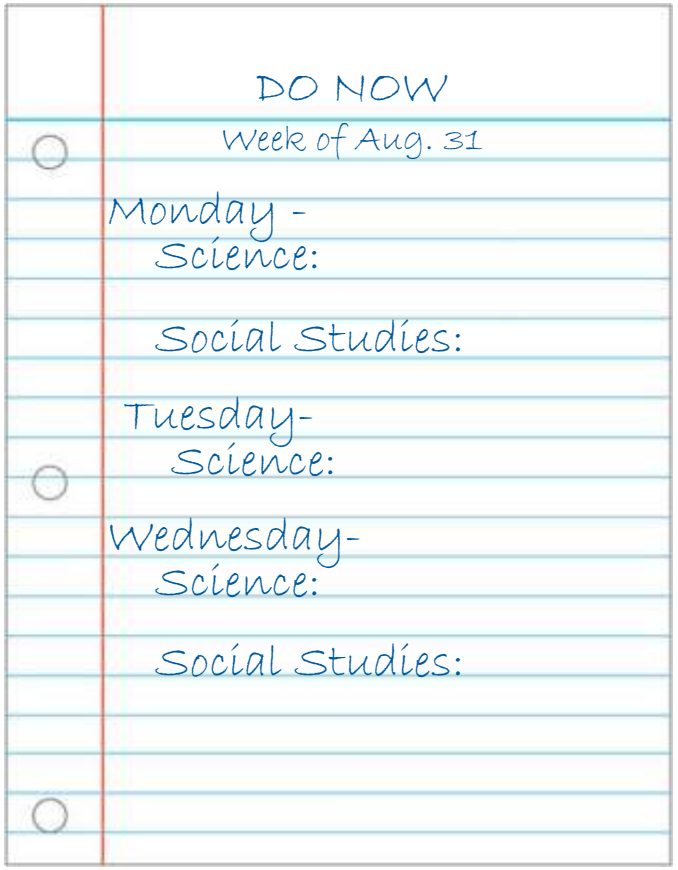
Do Now: Science

1. On your Do Now page,
   What are some ways to collect quantitative data?
   (Hint: Remember quantity is similar to quantitative)



Do Now: Science

1. On your Do Now page, What do you think matter is?



Matter is Everywhere!

- Matter: Anything that has mass and takes up space.

Is it matter or not?

Exit Ticket – Science 9/2

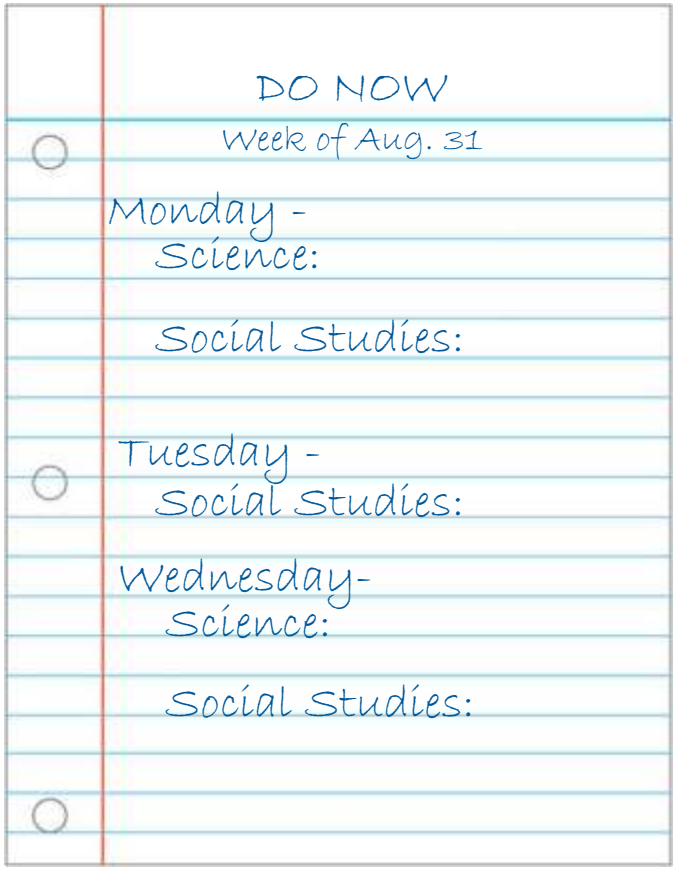
- On a sticky note:
  - Put your name
  - Answer the following:
    Name one example of something that is matter and one example of something that is not matter.

Do Now: Social Studies

1. On your Do Now page,

   Political vs. Physical

   What do you think the difference is between these two types of maps?



Exit Ticket – Social Studies 9/1

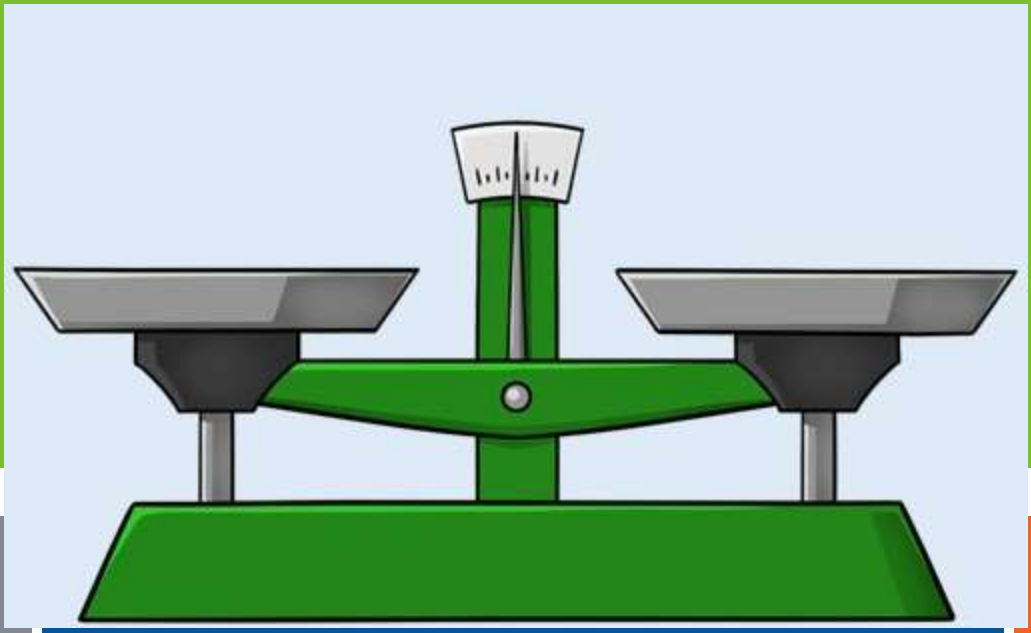
- On a sticky note:
  - Put your name
  - Answer the following:
    Name one new thing you learned.

Do Now: Science

1. On your Do Now page,
   What is not matter?
   Give 2 examples.

Mass

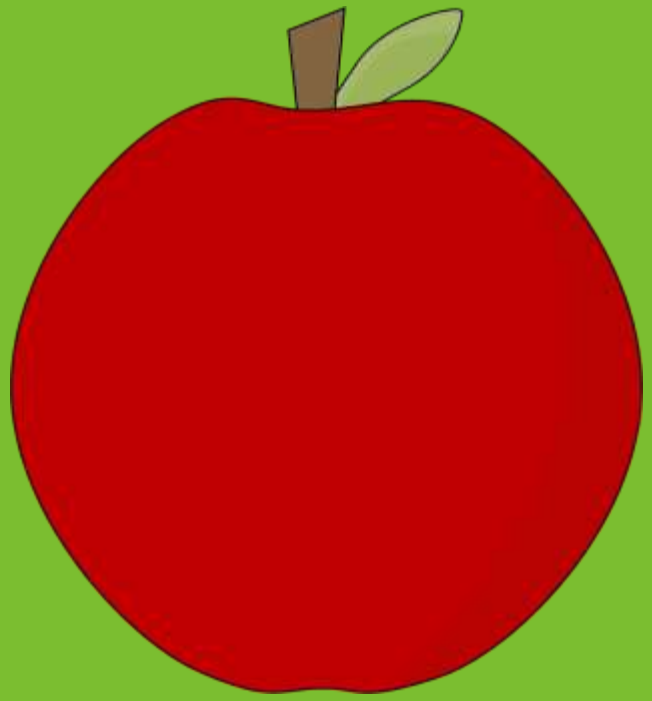
- Mass is the total amount of matter (or stuff) in an object
  - Measured in grams (g) or kilograms (kg)
  - We can measure mass with a balance scale.



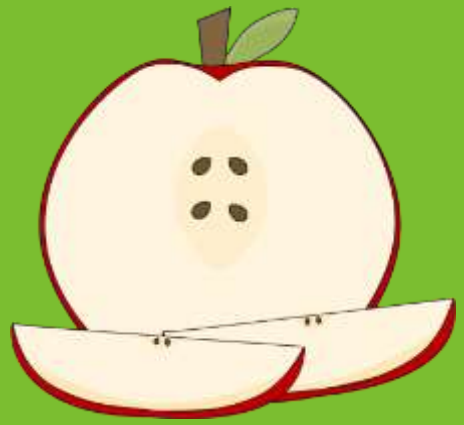
Mass

- The mass of an object equals the total mass of its parts
  - Mass is NEVER lost! It just changes form (solid, liquid, gas)

Mass



If the apple has a mass of 40 grams, how much mass will HALF of the apple have?



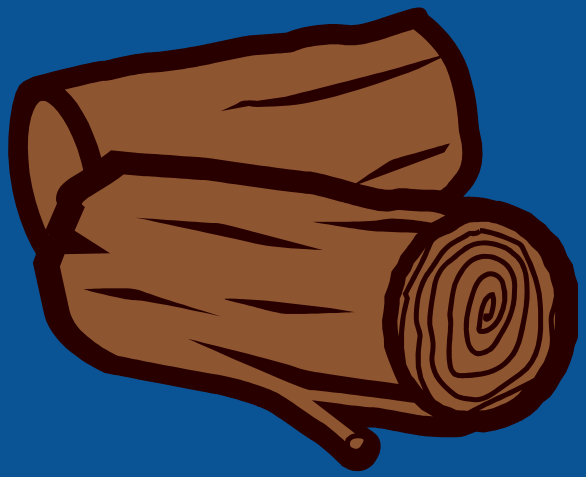
20 grams!

Mass

- The mass of water does not change, even if it evaporates.

Think – Pair – Share

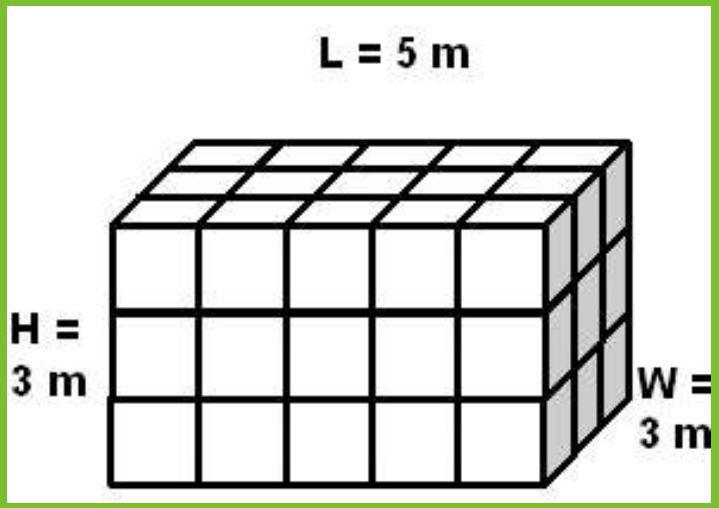
When a log burns, it forms ashes and releases smoke and gases into the air. How could a scientist use a balance scale to figure out the mass of the smoke and gases?



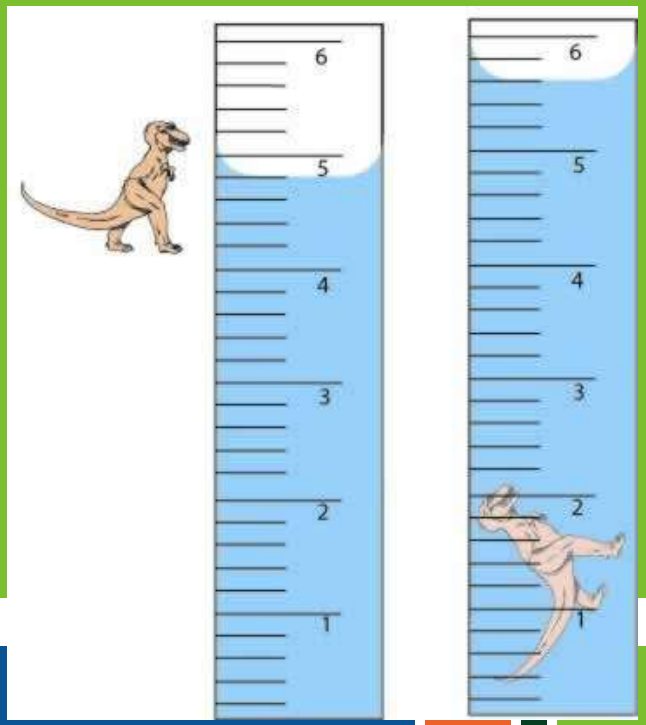
Volume

- Volume: the amount of space something takes up
  - Measured in two ways:

Length x width x height



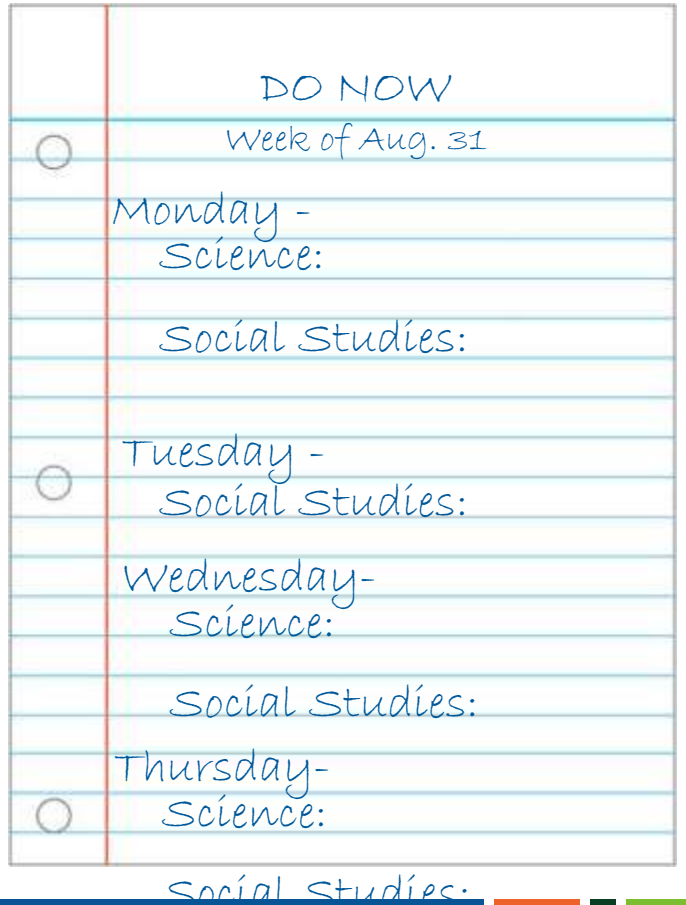
Water displacement



Do Now: Social Studies

1. On your Do Now page,

   What type of things are located on a political map?
   What type of things are located on a physical map?



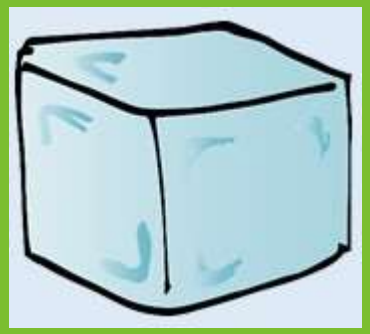
Do Now: Science

1. On your Do Now page,
   * What unit is used to measure mass?
   * What 2 ways can we measure volume?

2. Make sure your name is on your Do Now Sheet.

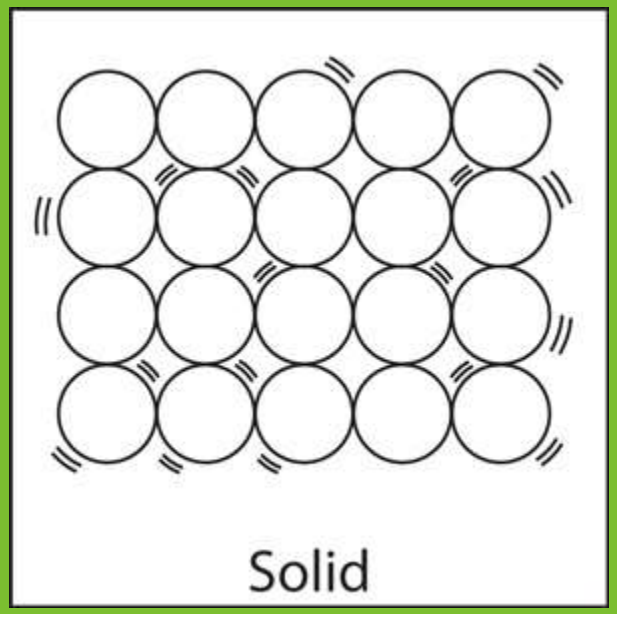
States of Matter

- Matter exists in 3 different forms:
  - Solid
  - Liquid
  - Gas



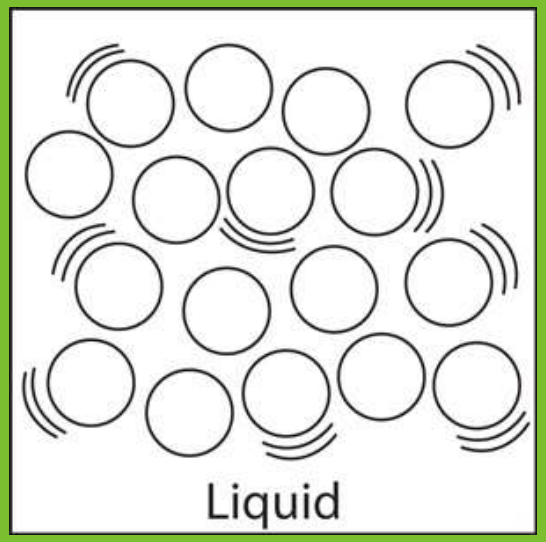
Solids

- In solids:
  - Particles only vibrate
  - Particles cannot move from their position
  - Fixed volume, fixed shape



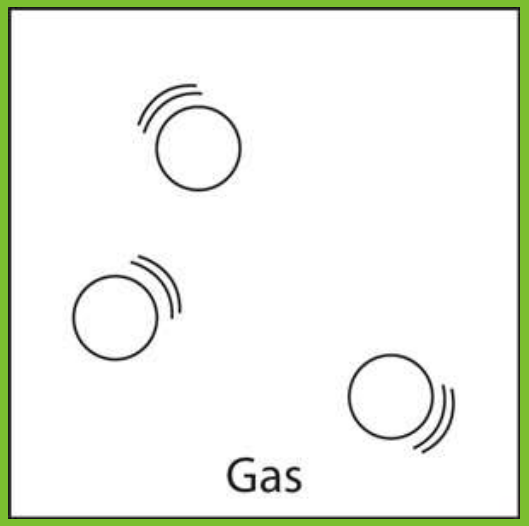
Liquids

- Liquids:
  - take the shape of their container
  - Particles move enough to slide past each other
  - Fixed volume, no fixed shape



Gases

- Gases:
  - Gases are located everywhere
  - The particles bounce freely and rapidly
  - Fill a container no matter what shape
  - No fixed volume, no fixed shape



Changing States

- Matter can change state if you raise or lower the temperature
  - Solid to a liquid: melting point
  - Liquid to a solid: freezing point
  - Liquid to a gas: boiling point
  - Gas to a liquid: condensation
  - Solids to a gas: sublimation

http://www.harcourtschool.com/activity/states_of_matter/

http://studyjams.scholastic.com/studyjams/jams/science/matter/solids-liquids-gases.htm

Do Now: Social Studies

1. Get all of your materials out of your group folder.

2. Sort your work into two piles: Done & Not Done

3. Paper clip the pile that is Done.